

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/013704

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ H01M4/02, 2/16, 10/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ H01M4/02, 2/16, 10/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-151638 A (Mitsubishi Electric Corp.), 23 May, 2003 (23.05.03), Claims 1, 2; Par. No. [0021]; examples & WO 99/26307 A1 & EP 954042 A1✓	1-16
A	JP 2001-6744 A (The Furukawa Electric Co., Ltd.), 12 January, 2001 (12.01.01), Claims 1, 2; Par. No. [0024]; examples (Family: none)	1-16
A	JP 2003-249206 A (Japan Storage Battery Co., Ltd.), 05 September, 2003 (05.09.03), Claims 1 to 4; Par. No. [0013]; examples (Family: none)	1-16

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search
14 December, 2004 (14.12.04)

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28 December, 2004 (28.12.04)

Name and mailing address of the ISA/
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, A	JP 2004-327183 A (Mitsubishi Electric Corp.), ✓ 18 November, 2004 (18.11.04), Claims 1 to 9; Par. No. [0018]; examples (Family: none)	1-16
A	JP 9-147916 A (Fuji Photo Film Co., Ltd.), ✓ 06 June, 1997 (06.06.97), Claims 1 to 12; examples (Family: none)	1-16
A	JP 2002-8730 A (FDK Kabushiki Kaisha), ✓ 11 January, 2002 (11.01.02), Claims 1 to 6; examples (Family: none)	1-16
A	JP 2001-319634 A (Celgard Inc.), 16 November, 2001 (16.11.01), Claims 1 to 12; examples & EP 1146576 A1 & US 6432586 B1 ✓	1-16